

Regional Surveillance Report: August 2015

SUMMARY

- **Health Service Region 2**

- There were a total of 52 cases reported in Health Service Region 2 for the month.
- Reported cases of Campylobacteriosis, Cryptosporidiosis, Cyclosporiasis, Hepatitis B, Hepatitis C, Salmonellosis, Shigellosis, Streptococcus Group A (invasive) and Streptococcus Group B (invasive) were beyond historical limits for the five-year monthly median (highlighted in Table 1).

- **Health Service Region 3**

- There were a total of 550 cases in Health Service Region 3 for the month.
- Reported cases of Campylobacter, Cryptosporidiosis, Cyclosporiasis, Legionellosis, Mumps, Streptococcus Group B (invasive), Varicella, Vibrio and Vancomycin-Intermediate *Staphylococcus aureus* (VISA) were beyond historical limits for the five-year monthly median (highlighted in Table 2).

- **Outbreak Investigations**

- Two Salmonella outbreaks were investigated in Tarrant County involving a wedding party and a family gathering.
- A Shigellosis outbreak was investigated involving a childcare facility in Johnson County.
- A statewide Cyclosporiasis outbreak was investigated by local and DSHS regional public health departments.

Please see the following tables and figures for more details.

NOTE: Counts include confirmed and probable cases reported to the Texas Department of State Health Services via NEDSS (National Electronic Disease Surveillance System) in report month. Counts include conditions coordinated by the epidemiology branch only. Cases may be pending investigation and counts are subject to change. A map of the region can be found on the last page of this report. Counts beyond historical limits or differing from the five year median may be due to current or past outbreaks, seasonal variations, or infrequently reported diseases.

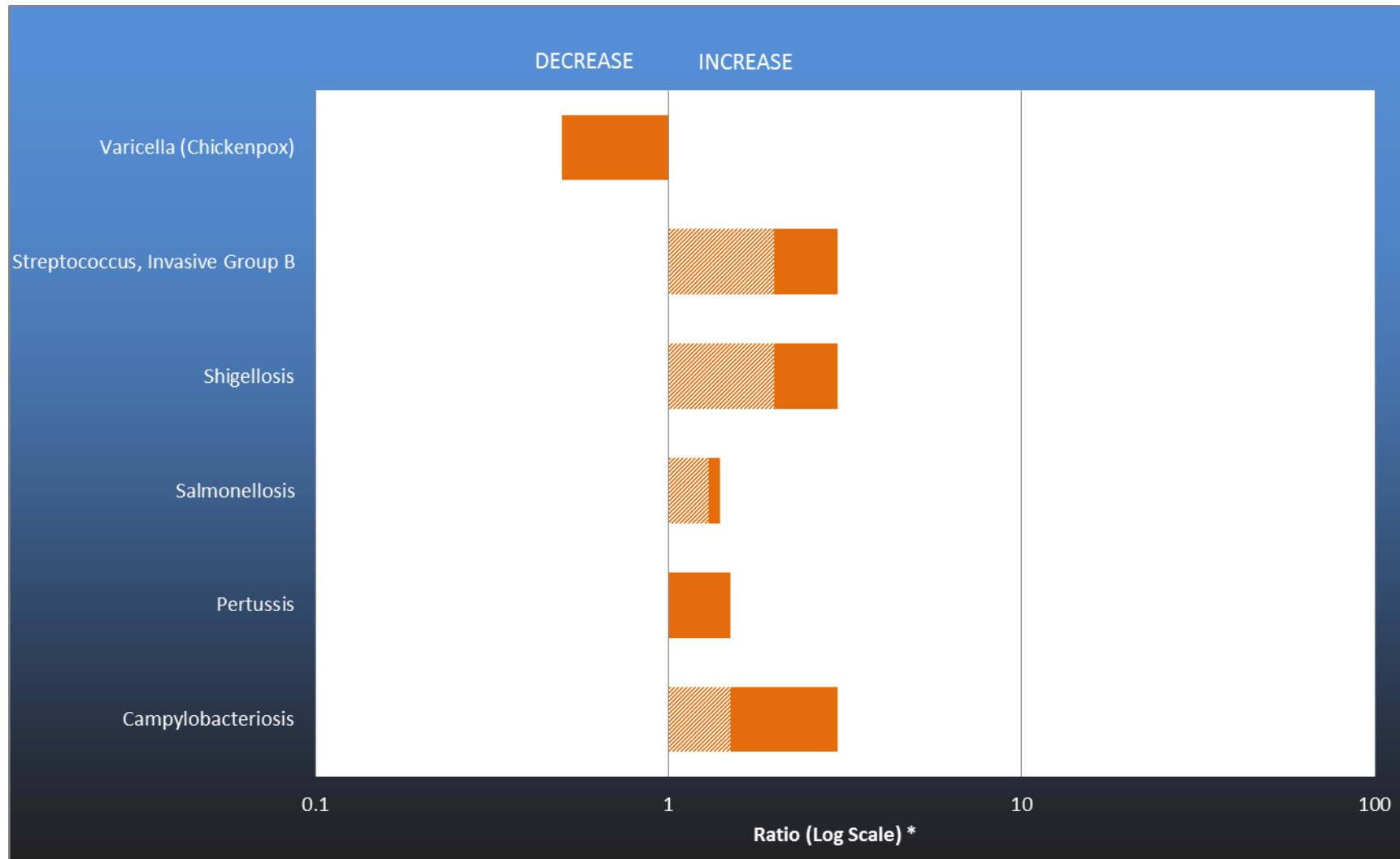
Table 1: Reported Disease Case Counts in Health Service Region 2, August 2015

<u>Disease</u>	<u>August 2015</u>	<u>January - August 2015</u>	<u>5-Year Monthly Median F</u>	<u>Total Cases in Previous Years</u>					<u>Counties Reporting during August 2015 (Counts)</u>
				<u>2014</u>	<u>2013</u>	<u>2012</u>	<u>2011</u>	<u>2010</u>	
Amebiasis	0	0	0	0	0	1	0	9	
Amebic meningitis and encephalitis	0	0	0	0	0	0	0	0	
Botulism (adult and infant)	0	0	0	0	0	0	0	0	
Campylobacteriosis	12	77	4	37	38	71	43	39	Brown (1), Comanche (1), Nolan (2), Shackelford (1), Wichita (6), Wilbarger (1)
Creutzfeldt-Jakob Disease (CJD)	0	0	0	0	0	0	1	0	
Cryptosporidiosis	3	16	0	8	4	9	10	1	Cottle (1), Taylor (1), Wichita (1)
Cyclosporiasis	1	6	0	1	4	0	0	1	Clay (1)
Diphtheria	0	0	0	0	0	0	0	0	
<i>Haemophilus influenzae</i> , invasive	0	1	0	1	0	0	0	0	
Hepatitis A, acute	0	2	0	2	3	5	4	4	
Hepatitis B, acute	1	4	0	4	4	7	9	13	Wichita (1)
Hepatitis B, perinatal	0	0	0	0	0	0	0	0	
Hepatitis C, acute	2	9	0	11	4	0	2	5	Jack (1), Wichita (1)
Hepatitis E, acute	0	0	0	0	0	0	0	0	
Influenza-associated pediatric mortality	0	1	0	0	0	0	0	1	
Legionellosis	0	3	0	6	3	4	2	3	
Listeriosis	0	0	0	0	0	0	2	0	
Measles	0	1	0	3	0	0	0	0	
MDROs	1	6	0	16	0	0	0	0	Wilbarger (1)
Mumps	0	0	0	1	0	0	2	2	
<i>Neisseria meningitidis</i> , invasive	0	0	0	0	0	0	0	4	
Pertussis	3	33	2	24	77	31	9	15	Clay (1), Jones (1), Wichita (1)

Disease	August 2015	January - August 2015	5-Year Monthly Median ‡	Total Cases in Previous Years					Counties Reporting during August 2015 (Counts)
				2014	2013	2012	2011	2010	
Poliomyelitis, acute paralytic	0	0	0	0	0	0	0	0	
Rubella (including congenital)	0	0	0	0	0	0	0	0	
Salmonellosis	20	75	14	117	133	200	140	127	Baylor (1), Brown (2), Eastland (1), Jones (1), Montague (2), Nolan (1), Scurry (1), Shackelford (1), Taylor (4), Wichita (6)
Shiga toxin-producing <i>Escherichia coli</i> (STEC)	1	15	1	26	15	13	20	9	Wichita (1)
Shigellosis	3	26	1	20	41	187	63	30	Jones (1), Wichita (1), Young (1)
Smallpox	0	0	0	0	0	0	0	0	
<i>Streptococcus pneumoniae</i> , invasive	0	32	1	22	14	24	18	10	
Streptococcus, Invasive Group A	1	16	0	7	5	7	9	9	Wichita (1)
Streptococcus, Invasive Group B	3	24	1	24	19	11	20	12	Stephens (1), Wichita (2)
Tetanus	0	0	0	0	0	0	0	0	
Typhoid Fever	0	0	0	1	0	0	0	0	
Varicella (Chickenpox)	1	24	2	33	48	84	112	34	Comanche (1)
Vibrio infection (including cholera)	0	0	0	2	1	0	3	1	
Viral Hemorrhagic Fever	0	0	0	0	0	0	0	0	
VISA	0	0	0	1	1	1	0	0	
VRSA	0	0	0	0	0	0	0	0	
Yersiniosis	0	2	0	1	0	0	0	1	
Total	52	373		368	414	655	469	330	

‡ Calculated by determining the median of the incidence counts for the current month, the month preceding the current month, and the month following the current month, for the 5 preceding years. †MDROs=Multi Drug Resistant Organisms

FIGURE I. Notifiable Diseases Exceeding Five-year Monthly Median for August 2015, Health Service Region 2



*Ratio of current monthly total to median of 15 month totals (from previous, comparable, and subsequent months for the past 5 years).
Conditions with a 5-year monthly median of zero or a ratio of 1 are not displayed in the figure above.

Current Ratio Historical Limits

Table 2: Reported Disease Case Counts in Health Service Region 3, August 2015

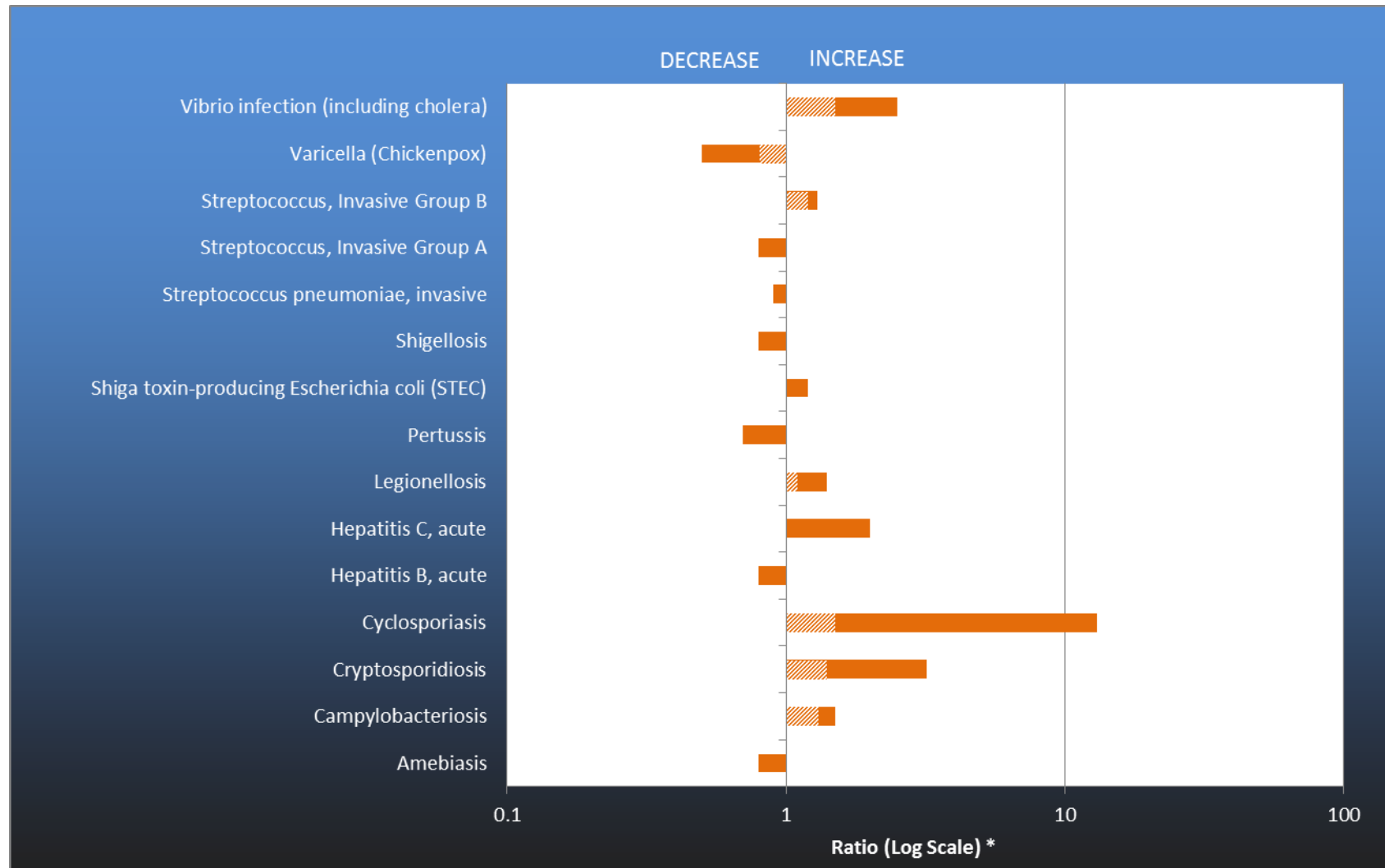
<u>Disease</u>	<u>August 2015</u>	<u>January – August 2015</u>	<u>5-Year Monthly Median †</u>	<u>Total Cases in Previous Years</u>					<u>Counties Reporting during August 2015 (Counts)</u>
				<u>2014</u>	<u>2013</u>	<u>2012</u>	<u>2011</u>	<u>2010</u>	
Amebiasis	4	30	5	46	65	56	53	117	Dallas (4)
Amebic meningitis and encephalitis	0	0	0	0	0	0	0	1	
Botulism (adult and infant)	0	0	0	1	2	0	1	1	
Campylobacteriosis	77	577	51	657	606	572	438	374	Collin (4), Cooke (1), Dallas (32), Denton (9), Ellis (1), Erath (4), Hunt (1), Johnson (3), Kaufman (1), Navarro (1), Parker (3), Rockwall (2), Somervell (2), Tarrant (11), Wise (2)
Creutzfeldt-Jakob Disease (CJD)	0	1	0	9	1	6	2	10	
Cryptosporidiosis	54	121	17	97	128	98	126	164	Collin (12), Dallas (17), Denton (5), Grayson (1), Hunt (2), Johnson (1), Parker (6), Rockwall (1), Tarrant (9)
Cyclosporiasis	26	103	2	118	183	13	9	8	Collin (6), Dallas (8), Denton (2), Erath (1), Hood (1), Hunt (1), Parker (1), Tarrant (6)
Diphtheria	0	0	0	0	0	0	0	0	
<i>Haemophilus influenzae</i> , invasive	0	1	0	3	0	2	1	2	
Hepatitis A, acute	5	28	5	27	27	62	55	64	Collin (2), Dallas (1), Denton (1), Hood (1)
Hepatitis B, acute	3	20	4	22	24	38	42	130	Collin (1), Dallas (2)
Hepatitis B, perinatal	0	0	0	1	1	1	1	1	
Hepatitis C, acute	2	15	1	19	11	20	8	8	Dallas (2)
Hepatitis E, acute	0	0	0	5	4	4	7	7	
Influenza-associated pediatric mortality	0	3	0	5	2	5	5	2	
Legionellosis	11	83	8	105	68	59	52	69	Dallas (5), Tarrant (6)

<u>Disease</u>	<u>August 2015</u>	<u>January - August 2015</u>	<u>5-Year Monthly Median †</u>	<u>Total Cases in Previous Years</u>					<u>Counties Reporting during August 2015 (Counts)</u>
				<u>2014</u>	<u>2013</u>	<u>2012</u>	<u>2011</u>	<u>2010</u>	
Listeriosis	1	5	1	5	9	8	14	5	Tarrant (1)
Measles	0	1	0	4	25	0	3	0	
MDROs†	25	187	0	206	0	0	0	0	Collin (5), Dallas (16), Johnson (1), Tarrant (3)
Mumps	1	3	0	5	1	5	7	12	Dallas (1)
<i>Neisseria meningitidis</i> , invasive	0	2	0	5	13	13	10	13	
Pertussis	55	445	74	1,041	1,850	675	282	657	Collin (10), Dallas (12), Denton (11), Hood (1), Johnson (3), Parker (2), Tarrant (16)
Poliomyelitis, acute paralytic	0	0	0	0	0	0	0	0	
Rubella (including congenital)	0	1	0	0	0	0	0	0	
Salmonellosis	140	687	144	1,137	1,142	1,245	1,208	1,275	Collin (7), Dallas (25), Denton (24), Ellis (9), Erath (1), Fannin (1), Hood (2), Hunt (2), Johnson (3), Kaufman 1), Palo Pinto (4), Parker (6), Rockwall (1), Somervell (2), Tarrant (51), Wise (1)
Shiga toxin-producing <i>Escherichia coli</i> (STEC)	17	124	14	222	162	125	145	148	Collin (3), Denton (6), Ellis (1), Johnson (1), Rockwall (1), Somervell (1), Tarrant (3), Wise (1)
Shigellosis	50	386	61	739	667	376	676	630	Collin (2), Dallas (19), Denton (3), Ellis (3), Erath (1), Johnson (5), Kaufman (1), Navarro (1), Tarrant (15)
Smallpox	0	0	0	0	0	0	0	0	
<i>Streptococcus pneumoniae</i> , invasive	14	319	15	518	499	458	413	533	Dallas (4), Ellis (1), Johnson (1), Palo Pinto (1), Rockwall (1), Tarrant (6)
Streptococcus, Invasive Group A	7	134	9	202	118	104	152	111	Dallas (2), Ellis (1), Hood (1), Tarrant (3)

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				<u>2014</u>	<u>2013</u>	<u>2012</u>	<u>2011</u>	<u>2010</u>	
Streptococcus, Invasive Group B	35	325	28	421	281	292	288	261	Collin (4), Dallas (13), Denton (3), Ellis (3), Johnson (2), Kaufman (1), Rockwall (1), Tarrant (8)
Tetanus	0	0	0	1	0	0	1	0	
Typhoid Fever	2	5	2	9	7	8	11	10	Collin (1), Dallas (1)
Varicella (Chickenpox)	15	250	32	499	513	614	710	783	Collin (1), Dallas (1), Denton (2), Fannin (2), Johnson (1), Tarrant (8)
Vibrio infection (including cholera)	5	8	2	16	10	16	9	16	Collin (1), Dallas (1), Denton (2), Tarrant (1)
Viral Hemorrhagic Fever (Ebola)	0	0	0	3	0	0	0	0	
VISA	1	3	0	1	2	7	1	4	Tarrant (1)
VRSA	0	0	0	0	0	0	0	0	
Yersiniosis	0	4	0	6	12	5	4	5	
Total	550	3,871		6,155	6,433	4,887	4,734	5,421	

‡ Calculated by determining the median of the incidence counts for the current month, the month preceding the current month, and the month following the current month, for the 5 preceding years. †MDROs=Multi Drug Resistant Organisms

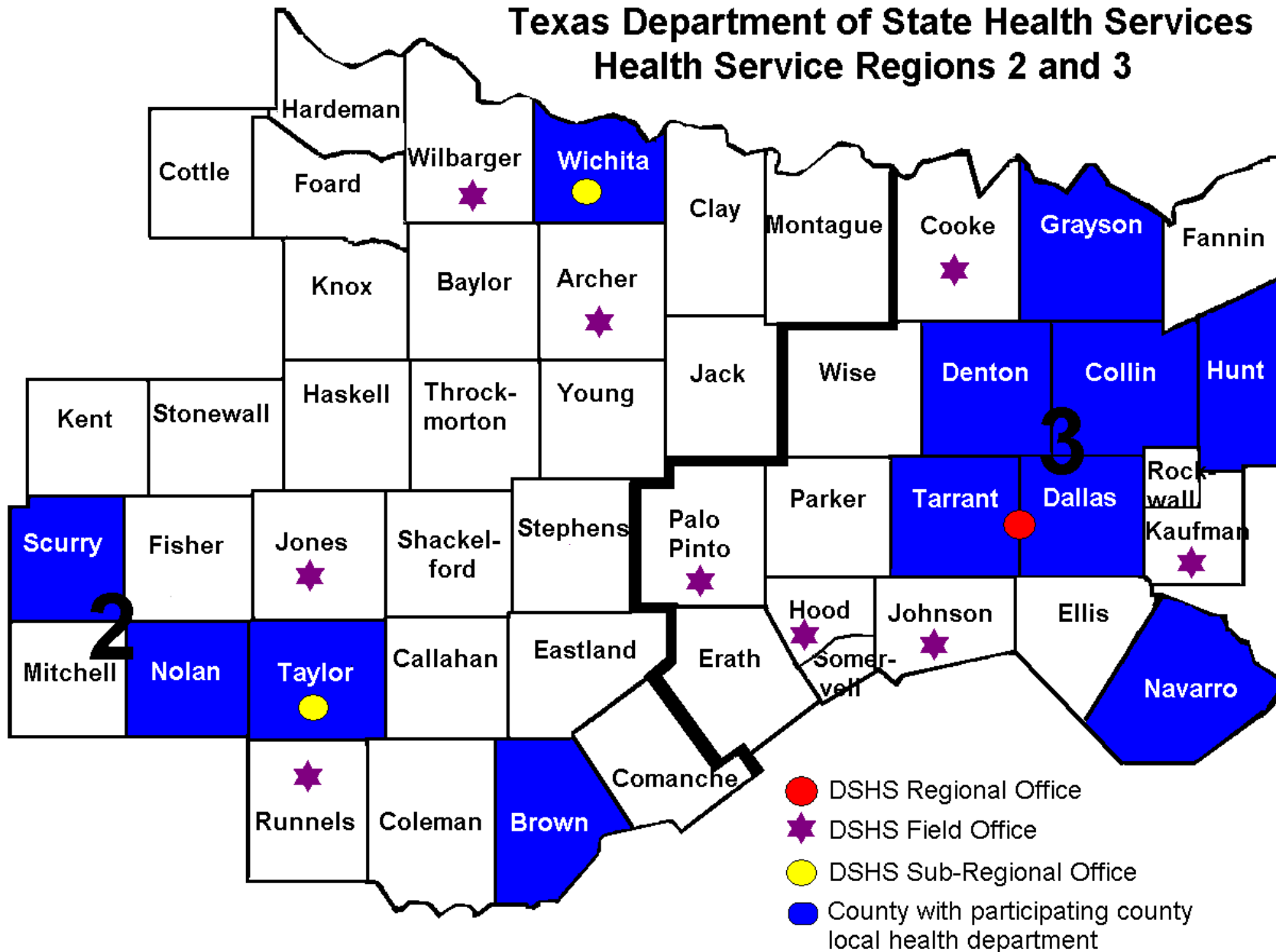
FIGURE II. Notifiable Diseases Exceeding Five-year Monthly Median for August 2015, Health Service Region 3



*Ratio of current monthly total to median of 15 month totals (from previous, comparable, and subsequent months for the past 5 years). Conditions with a 5-year monthly median of zero or a ratio of 1 are not displayed in the figure above.

Current Ratio Historical Limits

Texas Department of State Health Services Health Service Regions 2 and 3



If you have any questions about this monthly report or notifiable disease conditions in Texas, please contact:

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